<u>OUTPUT</u>
```
mysql> create table employee
    ->        (
    ->        emp_no int,
    ->        email varchar(20),
    ->        job varchar(20),
    ->        salary int
    ->        );
Query OK, 0 rows affected (0.01 sec)
mysql> desc employee;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| emp_no | int         | YES  |     | NULL    |       |
| email  | varchar(20) | YES  |     | NULL    |       |
| job    | varchar(20) | YES  |     | NULL    |       |
| salary | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
4 rows in set (0.02 sec)

mysql> alter table employee add commission int;
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> desc employee;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| emp_no     | int         | YES  |     | NULL    |       |
| email      | varchar(20) | YES  |     | NULL    |       |
| job        | varchar(20) | YES  |     | NULL    |       |
| salary     | int         | YES  |     | NULL    |       |
| commission | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> alter table employee drop job;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> desc employee;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| emp_no     | int         | YES  |     | NULL    |       |
| email      | varchar(20) | YES  |     | NULL    |       |
| salary     | int         | YES  |     | NULL    |       |
| commission | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> alter table employee modify column email char(30);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> desc employee;
+------------+----------+------+-----+---------+-------+
| Field      | Type     | Null | Key | Default | Extra |
+------------+----------+------+-----+---------+-------+
| emp_no     | int      | YES  |     | NULL    |       |
| email      | char(30) | YES  |     | NULL    |       |
| salary     | int      | YES  |     | NULL    |       |
| commission | int      | YES  |     | NULL    |       |
+------------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

```
mysql> alter table employee rename to employeedetails;
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-----------------------+
|     Tables_in_gk52    |
+-----------------------+
| employeedetails       |
+-----------------------+
1 row in set (0.00 sec)
```

///

```
mysql> create table department
    ->        (
    ->        deptno int,
    ->        deptname varchar(20),
    ->        location varchar(20)
    ->        );
Query OK, 0 rows affected (0.01 sec)

mysql> desc department;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| deptno   | int         | YES  |     | NULL    |       |
| deptname | varchar(20) | YES  |     | NULL    |       |
| location | varchar(20) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)


mysql> alter table department add designation char(20);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc department;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| deptno      | int         | YES  |     | NULL    |       |
| deptname    | varchar(20) | YES  |     | NULL    |       |
| location    | varchar(20) | YES  |     | NULL    |       |
| designation | char(20)    | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> alter table department drop location;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc department;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| deptno      | int         | YES  |     | NULL    |       |
| deptname    | varchar(20) | YES  |     | NULL    |       |
| designation | char(20)    | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
mysql> alter table department modify deptname char(50);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc department;
+-------------+----------+------+-----+---------+-------+
| Field       | Type     | Null | Key | Default | Extra |
+-------------+----------+------+-----+---------+-------+
| deptno      | int      | YES  |     | NULL    |       |
| deptname    | char(50) | YES  |     | NULL    |       |
| designation | char(20) | YES  |     | NULL    |       |
+-------------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

/////////////////////////////////////////////////////////

mysql> create table customer (
    ->        custname varchar(20),
    ->        custstreet varchar(20),
    ->        custcity varchar(20)
    ->        );
Query OK, 0 rows affected (0.01 sec)

mysql> desc customer;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| custname   | varchar(20) | YES  |     | NULL    |       |
| custstreet | varchar(20) | YES  |     | NULL    |       |
| custcity   | varchar(20) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> alter table customer add salary int;
Query OK, 0 rows affected (0.32 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc customer;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| custname   | varchar(20) | YES  |     | NULL    |       |
| custstreet | varchar(20) | YES  |     | NULL    |       |
| custcity   | varchar(20) | YES  |     | NULL    |       |
| salary     | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> alter table customer drop custstreet;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc customer;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| custname | varchar(20) | YES  |     | NULL    |       |
| custcity | varchar(20) | YES  |     | NULL    |       |
| salary   | int         | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

```
mysql> alter table customer modify custname char(30);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> desc customer;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| custname | char(30)    | YES  |     | NULL    |       |
| custcity | varchar(20) | YES  |     | NULL    |       |
| salary   | int         | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

///

```
mysql> create table branch(
    ->       branch_name varchar(20),
    ->       city varchar(20),
    ->       amount int
    ->       );
Query OK, 0 rows affected (0.01 sec)
mysql> desc branch;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| branch_name | varchar(20) | YES  |     | NULL    |       |
| city        | varchar(20) | YES  |     | NULL    |       |
| amount      | int         | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> alter table branch drop column branch_name, drop column city;
Query OK, 0 rows affected (1.78 sec)
Records: 0  Duplicates: 0  Warnings: 0
mysql> desc branch;
+--------+------+------+-----+---------+-------+
| Field  | Type | Null | Key | Default | Extra |
+--------+------+------+-----+---------+-------+
| amount | int  | YES  |     | NULL    |       |
+--------+------+------+-----+---------+-------+
1 row in set (0.00 sec)
```

///

```
mysql> create table sailor (
    ->       sid int,
    ->       sname varchar(20),
    ->       rating varchar(20)
    ->       );
Query OK, 0 rows affected (0.01 sec)

mysql> desc sailor;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| sid    | int         | YES  |     | NULL    |       |
| sname  | varchar(20) | YES  |     | NULL    |       |
| rating | varchar(20) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
mysql> alter table sailor add column age int after sname;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc sailor;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| sid    | int         | YES  |     | NULL    |       |
| sname  | varchar(20) | YES  |     | NULL    |       |
| age    | int         | YES  |     | NULL    |       |
| rating | varchar(20) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> alter table sailor drop column rating;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> desc sailor;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| sid   | int         | YES  |     | NULL    |       |
| sname | varchar(20) | YES  |     | NULL    |       |
| age   | int         | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

///